

# David Evans

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(<https://github.com/Dave-Evans>)

## EDUCATION

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### University of Wisconsin-Madison

Master of Science, Soil Science  
Bachelor of Science, Soil Science

August 2013

May 2011

## OBJECTIVE

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I am a data engineer who is looking for opportunities to apply my current toolset as well as learn new ways of thinking. For me, there is nothing like the thrill of solving a new problem and of figuring out difficult issues. I have become adept at finding ways to solve business problems while balancing the perfect with the good. While I love developing new solutions, I love getting absorbed in finding ways to make existing processes more efficient.

## SKILL SET

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- Data manipulation, engineering, and munging
- Application development
- GIS theory and practice
- Web development
- Process Automation

### Software proficiencies and familiarities:

- R and Python
- SQL
- AWS cloud services
- ArcGIS, QGIS, and SAGA-GIS
- C# and VB.NET
- JavaScript
- Git version control software
- L<sup>A</sup>T<sub>E</sub>X and Markdown
- Bash and CMD

## RELEVANT EXPERIENCE

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### Statistical Research Modeler – American Family Insurance

July 2016 – Present

- Data pipeline development to support company-wide modeling projects
- Develop agile reporting workflow to distribute customer information to agents
- Facilitate automation system for mundane tasks
- Develop version control practice on data science team

### GIS Analyst and Developer – Legislative Technology Services Bureau

May 2015 – June 2016

- Web site development and maintenance
- Developed desktop applications using ArcObjects for .NET
- Assisted in ArcGIS Server maintenance and updates

### IS Data Services – Department of Natural Resources

July 2014 – May 2015

- Assemble and organize spatial and non-spatial data for large watershed modeling project.
- Carry out statistical analysis for the regionalization of hydrologic model parameters.
- Assist with the development of a spatial analysis tool for predicting erosion and improving water quality.

### Data Coordinator – UW-Madison Soil Science, F.D. Hole Soils Lab

August 2013 – June 2014

- Coordinate the progress and maintenance of map display and development for Wisconsin branch of the ISEE Project.
- Develop maps of landscapes and soil properties for educational purposes.
- Organize and maintain database of geospatial information.

### Research Assistant – UW-Madison Soil Science, F.D. Hole Soils Lab

Sept 2011 – June 2013

- Used digital soil mapping techniques to produce quantitative maps of soil properties.
- Described and classified soils in the field according to US Soil Taxonomy.
- Investigated soil-landscape relationships through statistical and conceptual models.